

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 021216000810	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US04/34386	International filing date (<i>day/month/year</i>) 18 October 2004 (18.10.2004)	(Earliest) Priority Date (<i>day/month/year</i>) 17 October 2003 (17.10.2003)
Applicant INTEGRIGEN, INC.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the Report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐

With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐

Certain claims were found unsearchable (See Box No. II)

3. ☐

Unity of invention is lacking (See Box No. III)

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.

b. ☒

none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/34386

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/53,33/533,33/534,33/547,21/176; C07F 9/32; C07K 16/00

US CL : 435/7.1,7.5; 436/172,545,546; 530/389.8; 558/202

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/7.1,7.5; 436/172,545,546; 530/389.8; 558/202

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0175986 A1 (Patricelli et al.) 18 September 2003, especially paragraph 0037, fig.1 and claims 12-14.	1-10
Y	Paul et al., Phosphonate ester probes for proteolytic antibodies. J. Biol. Chem. 2001, Vol 276, No. 30, pp 28314-28320; especially page 28315, fig 1 and page 28316, left column, lines 49-53	11-19, 38-48
Y	US 6,235,714 B1 (Paul et al.) 22 May 2001; especially column 8, lines 15-21, 44-45	20-37
X	Liu et al. Activity-based protein profiling: The serine hydrolases; PNAS, 21 December 1999, Vol. 96, No.26, pp 14694-14699; especially pages 14694-14696 and conclusions, page	1-10
A	WO 02/063271 A2 (Paul et al.) 15 August 2002; especially title and abstract.	1-10

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

19 April 2005 (19.04.2005)

Date of mailing of the international search report

16 MAY 2005

Name and mailing address of the ISA/US

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/34386

Continuation of B. FIELDS SEARCHED Item 3:

APS, CAPLUS, EAST

Search terms: Structure search, antibody, proteolytic, phospho?, ester, label, conjugate, support, halogen